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[Number Search](#)**Applicant, Title of invention, Abstract** --- e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

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axis slope abscissa

AND

AND

image characteristic mask

AND

AND

AND

AND

Date of publication of application --- e.g. 19980401 - 19980405

AND

IPC --- e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

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Search Results : 1

Index Indication

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Search

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No.	Publication No.	Title
1.	03 - 275031(1991)	IMAGE PROCESSING APPARATUS FOR ENDOSCOPE

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 03-275031

(43)Date of publication of application : 05.12.1991

(51)Int.Cl.

A61B 1/04
G02B 23/24
G06F 15/62

(21)Application number : 02-080280

(71)Applicant : OLYMPUS OPTICAL CO LTD

(22)Date of filing : 26.03.1990

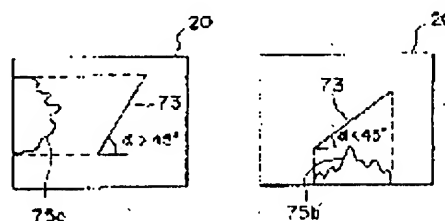
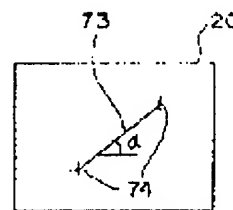
(72)Inventor : KONOMURA MASARU
KAWAMOTO SUSUMU

(54) IMAGE PROCESSING APPARATUS FOR ENDOSCOPE

(57)Abstract:

PURPOSE: To make it possible to designate image concn. with an oblique line and to display the image concn. on the designated oblique line in a short time by using a means designating a straight line on a monitor screen, judging the slope of said straight line and displaying the characteristic value of the endoscope image corresponding to the position of the straight line in the horizontal or the vertical direction.

CONSTITUTION: When a treatment of profile graph display is started, a short cross- cursor 74 is displayed and after it is moved to an arbitrary position, a mouse is clicked and a starting point is determined. Then the end point is determined by moving and clicking the cursor 74 to obtain a straight line 73. Then the angle of inclination α of the straight line is calculated and it is easily obtd. by the ratio of the horizontal distance and the vertical distance between the starting point and the end point. A judgement on whether this angle α is smaller than 45° is performed and if the value is 45° or larger, the concn. level of an image data on the straight line 73 is set on an abscissa axis and a profile graph 75a is displayed in such a way that the concn. level is projected on the horizontal axis direction. On the other hand, the angle α is smaller than 45° , the concn. level of an image data on the straight line 73 is set on an ordinate axis and the profile graph 75b is displayed in such



a way that the concn. level is projected on the vertical axis direction.

LEGAL STATUS

[Date of request for examination]

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[Date of registration]

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Applicant, Title of invention, Abstract --- e.g. computer semiconductor

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axis slope abscissa

AND

AND

image

AND

AND

AND

AND

Date of publication of application --- e.g. 19980401 - 19980405

AND

IPC --- e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

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PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-157145

(43)Date of publication of application : 30.05.2003

(51)Int.Cl.

G06F 3/033
G01B 11/00

(21)Application number : 2002-215934

(71)Applicant : AGILENT TECHNOLOG INC

(22)Date of filing : 25.07.2002

(72)Inventor : DIETZ ZACHARY
MOORE CHARLES E

(30)Priority

Priority number : 2001 918202 Priority date : 30.07.2001 Priority country : US

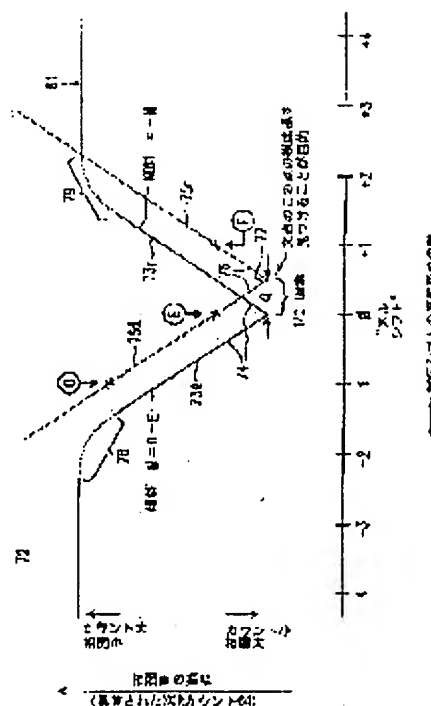
(54) INTERPOLATION METHOD FOR OPTICAL NAVIGATION SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To reduce the size and complexity of an interpolation mechanism.

SOLUTION: Interpolation along an axis is performed on a correlation surface array that is created by counting the instances of difference (XOR) between corresponding pixels of single bit resolution images having trial displacements. The interpolation is performed by finding the intersection of two straight line segments that are identified by the shape of the cross section of the correlation surface along the axis of interest. In nine trial shifts, there are three values in such a cross section. Their abscissas are the pixel shift amounts minus one, no shift and plus one and their ordinates are the corresponding correlation values. In situations where

navigation (and interpolation) is possible, these three points have certain properties. The usual case is that two of the points determine one line having a slope (m) and the other point determines the other line assumed to have slope -m. The intersection of the two lines is found and its abscissa is the interpolated value for motion along the axis of interest.



LEGAL STATUS

[Date of request for examination] 10.06.2005

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[Patent number]

[Date of registration]

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RESULT LIST

2 results found in the Worldwide database for:

(image AND abscissa AND slope AND axis) in the title or abstract

(Results are sorted by date of upload in database)

1 IMAGE PROCESSING APPARATUS FOR ENDOSCOPE

Inventor: KONOMURA MASARU; KAWAMOTO SUSUMU Applicant: OLYMPUS OPTICAL CO

EC: IPC: **G02B23/24; A61B1/04; G06T1/00** (+6)

Publication info: **JP3275031** - 1991-12-05

2 Improvements in and relating to function generators

Inventor: Applicant: CONTRAVES AG

EC: G05D3/14; G06K11/02 IPC: **G05D3/14; G06K11/02; G05D3/14** (+1)

Publication info: **GB791778** - 1958-03-12

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RESULT LIST

1 result found in the Worldwide database for:

(image AND abscissa AND slope AND mask) in the title or abstract

(Results are sorted by date of upload in database)

1 Improvements in and relating to function generators

Inventor:

Applicant: CONTRAVES AG

EC: G05D3/14; G06K11/02

IPC: **G05D3/14; G06K11/02; G05D3/14 (+1)**

Publication info: **GB791778** - 1958-03-12

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RESULT LIST

1 result found in the Worldwide database for:

(image AND abscissa AND slope AND characteristic) in the title or abstract

(Results are sorted by date of upload in database)

1 IMAGE PROCESSING APPARATUS FOR ENDOSCOPE

Inventor: KONOMURA MASARU; KAWAMOTO SUSUMU Applicant: OLYMPUS OPTICAL CO

EC:

IPC: **G02B23/24; A61B1/04; G06T1/00** (+6)

Publication info: **JP3275031** - 1991-12-05

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4 results found in the Worldwide database for:
(**image AND abscissa AND slope**) in the title or abstract
(Results are sorted by date of upload in database)

- | | | |
|----------|--|--|
| 1 | Installation for Automatic Analysis of Electrical System Behaviour. | |
| | Inventor: | Applicant: DEPUTY MINISTER IN THE ROMANIA (RO) |
| | EC: G06F15/56; G06F17/00; (+1) | IPC: <i>G06F17/00; G09G1/10; G06F17/00</i> (+2) |
| | Publication info: GB1163147 - 1969-09-04 | |
| 2 | IMAGE PROCESSING APPARATUS FOR ENDOSCOPE | |
| | Inventor: KONOMURA MASARU; KAWAMOTO SUSUMU | Applicant: OLYMPUS OPTICAL CO |
| | EC: | IPC: <i>G02B23/24; A61B1/04; G06T1/00</i> (+6) |
| | Publication info: JP3275031 - 1991-12-05 | |
| 3 | NUCLEAR MAGNETIC RESONANCE IMAGING DEVICE | |
| | Inventor: NITTA KOICHI; YAMAMOTO MAKOTO | Applicant: HITACHI MEDICAL CORP |
| | EC: | IPC: <i>G01R33/48; A61B5/055; G01R33/28</i> (+7) |
| | Publication info: JP2071727 - 1990-03-12 | |
| 4 | Improvements in and relating to function generators | |
| | Inventor: | Applicant: CONTRAVES AG |
| | EC: G05D3/14; G06K11/02 | IPC: <i>G05D3/14; G06K11/02; G05D3/14</i> (+1) |
| | Publication info: GB791778 - 1958-03-12 | |

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